

CORE DESCRIPTION

300-A-170

127.8'-164'

Orejon Andesite:

- 127.8'-135' Porphyritic andesite. Grayish blue green (5BG 5/2) dry; grayish olive green (5GY 3/2) wet. Fine-grained groundmass. Phenocrysts of plagioclase (70% of the rock), altered hornblende and biotite (sericite and sausserite). Plagioclase phenocrysts range in size from <0.5 mm to 3 mm and average 2 mm. Fractures present which range in thickness from hairline to 2 mm. Orientation of the larger fractures is 45-60° (40° off vertical). Secondary fracture filling consists of calcite, sulfides and quartz with limited amounts of iron-staining. No flow structures apparent. Rock is generally dense and moderately fractured (pieces range in length from 1"-9"; average length 3").
- ~135'-140' Porphyritic andesite. Dusky yellow green (5GY 5/2) wet and dry. Fine-grained groundmass. Phenocrysts of plagioclase, epidote, chlorite and amphibole present. Average size of phenocrysts 1 mm. Highly altered and fractured. Numerous hairline fractures at random orientations filled with calcite and silica. Larger fractures oriented at 50°-70° (30° off vertical) and display oxidation staining. Brecciated zone predominantly silicious with rock fragments of altered, dusky yellow green (5GY 5/2), and unaltered grayish red (5R 4/2), plagioclase-rich andesite. Fragment size < 1 mm to 3 cm. Rock is generally dense and fractured (pieces are 1"-3" in length; average length 1").
- ~140'-150' Porphyritic andesite. Dusky yellow green (5GY 5/2) to grayish olive green (5GY 3/2) wet and dry. Phenocrysts of plagioclase, chlorite, epidote and amphibole. Phenocrysts generally <0.5 mm to 3 mm, angular to subrounded, and equant to elongate. Hairline fractures present at random orientations. Larger fractures are less common, and oriented at 70° (30° off vertical). Rock is dense and less fractured (pieces range in length from 1.5" to 9"; average length 4.5").
- 150'-164 Porphyritic andesite. Phenocrysts less abundant and smaller. Plagioclase, chlorite and epidote predominate. Average grain size 1 mm. Slight color variance in middle portion of core; grayish blue green (5BG 5/2). Hairline fractures present, but fractures up to 5 mm wide also occur.

CORE DESCRIPTION

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164'-176'

164'-176' Porphyritic andesite. Grayish green (5G 5/2) to dusky yellow green (5GY 5/2) dry and grayish olive green (5GY 3/2) wet. Phenocrysts slightly larger in size (<0.5 mm to 3 mm). Increase in fracturing (pieces average 1"-2" in length).

Note: Core pieces are sequentially numbered top to bottom, with directional arrow in the up direction.